

Paolo Prati

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194 papers	6,349 citations	43 h-index	71 g-index
218 ext. papers	7,157 ext. citations	3.8 avg, IF	4.71 L-index

#	Paper	IF	Citations
194	A New PM Sampler with a Built-In Black Carbon Continuous Monitor. <i>Atmosphere</i> , 2022 , 13, 299	2.7	0
193	Characterization of soot produced by the mini inverted soot generator with an atmospheric simulation chamber. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2159-2175	4	0
192	On the Redox-Activity and Health-Effects of Atmospheric Primary and Secondary Aerosol: Phenomenology. <i>Atmosphere</i> , 2022 , 13, 704	2.7	1
191	Direct Measurement of the $^{13}\text{C}(\text{p})^{16}\text{O}$ Cross Section into the s-Process Gamow Peak. <i>Physical Review Letters</i> , 2021 , 127, 152701	7.4	8
190	An overview of optical and thermal methods for the characterization of carbonaceous aerosol. <i>Rivista Del Nuovo Cimento</i> , 2021 , 44, 145-192	3.5	3
189	Determination of Aethalometer multiple-scattering enhancement parameters and impact on source apportionment during the winter 2017/18 EMEP/ACTRIS/COLOSSAL campaign in Milan. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2919-2940	4	10
188	Characterization of the LUNA neutron detector array for the measurement of the $^{13}\text{C}(\text{p})^{16}\text{O}$ reaction. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021 , 994, 165081	1.2	10
187	Comparative characterization of the performance of bio-aerosol nebulizers in connection with atmospheric simulation chambers. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 4461-4470	4	3
186	Applicability of benchtop multi-wavelength polar photometers to off-line measurements of the Multi-Angle Absorption Photometer (MAAP) samples. <i>Journal of Aerosol Science</i> , 2021 , 152, 105701	4.3	3
185	Source-specific light absorption by carbonaceous components in the complex aerosol matrix from yearly filter-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12809-12833	6.8	4
184	Low-energy resonances in the $\text{O}^{18}(\text{p},\text{n})\text{F}^{19}$ reaction. <i>Physical Review C</i> , 2021 , 104,	2.7	4
183	Consistent determination of the heating rate of light-absorbing aerosol using wavelength- and time-dependent Aethalometer multiple-scattering correction. <i>Science of the Total Environment</i> , 2021 , 791, 148277	10.2	2
182	Underground experimental study finds no evidence of low-energy resonance in the $\text{Li}^6(\text{p},\text{n})\text{Be}^7$ reaction. <i>Physical Review C</i> , 2020 , 102,	2.7	2
181	A new approach to monitor $(^{13}\text{hbox {C}})$ -targets degradation in situ for $(^{13}\text{hbox {C}}(\alpha\text{ ,hbox {n}})^{16}\text{hbox {O}})$ cross-section measurements at LUNA. <i>European Physical Journal A</i> , 2020 , 56, 1	2.5	7
180	The LUNA-MV facility at Gran Sasso. <i>Journal of Physics: Conference Series</i> , 2020 , 1342, 012088	0.3	1
179	Characterization of carbonaceous aerosols over the Northern Adriatic Sea in the JERICO-NEXT project framework. <i>Atmospheric Environment</i> , 2020 , 228, 117449	5.3	4
178	Underground Nuclear Astrophysics: pushing direct measurements toward the Gamow window. <i>EPJ Web of Conferences</i> , 2020 , 227, 01015	0.3	

177	Artificial and natural radionuclides in cryoconite as tracers of supraglacial dynamics: Insights from the Morteratsch glacier (Swiss Alps). <i>Catena</i> , 2020 , 191, 104577	5.8	6
176	Setup commissioning for an improved measurement of the $D(p,(\gamma))(^3\text{He})$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020 , 56, 1	2.5	12
175	Evaluation of receptor and chemical transport models for PM10 source apportionment. <i>Atmospheric Environment: X</i> , 2020 , 5, 100053	2.8	23
174	The baryon density of the Universe from an improved rate of deuterium burning. <i>Nature</i> , 2020 , 587, 210-213	5.1	38
173	Cryoconite: an efficient accumulator of radioactive fallout in glacial environments. <i>Cryosphere</i> , 2020 , 14, 657-672	5.5	13
172	Cross section of the reaction $^{18}\text{O}(p,^4\text{He})^{19}\text{F}$ at astrophysical energies: The 90 keV resonance and the direct capture component. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134900	4.2	11
171	Improved astrophysical rate for the $^{18}\text{O}(p,^4\text{He})^{15}\text{N}$ reaction by underground measurements. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 237-242	4.2	18
170	Direct measurements of low-energy resonance strengths of the $^{23}\text{Na}(p,^4\text{He})^{24}\text{Mg}$ reaction for astrophysics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 122-128	4.2	11
169	Two-wavelength thermal-optical determination of light-absorbing carbon in atmospheric aerosols. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3173-3182	4	6
168	Exploiting multi-wavelength aerosol absorption coefficients in a multi-time resolution source apportionment study to retrieve source-dependent absorption parameters. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11235-11252	6.8	12
167	Nuclear Reaction of Astrophysical Interest with LUNA Projects. <i>Springer Proceedings in Physics</i> , 2019 , 247-252	0.2	
166	Direct measurement of nuclear cross-section of astrophysical interest: Results and perspectives. <i>International Journal of Modern Physics A</i> , 2018 , 33, 1843010	1.2	17
165	Tailored coefficients in the algorithm to assess reconstructed light extinction at urban sites: A comparison with the IMPROVE revised approach. <i>Atmospheric Environment</i> , 2018 , 172, 168-176	5.3	6
164	Improved background suppression for radiative capture reactions at LUNA with HPGe and BGO detectors. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018 , 45, 025203	2.9	19
163	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV $^{22}\text{Ne}(p,(\gamma))^{23}\text{Na}$ resonance. <i>European Physical Journal A</i> , 2018 , 54, 1	2.5	26
162	Estimation of the contributions of the sources driving PM levels in a Central Mediterranean coastal town. <i>Chemosphere</i> , 2018 , 211, 465-481	8.4	18
161	Effect of beam energy straggling on resonant yield in thin gas targets: The cases $^{22}\text{Ne}(p,^4\text{He})^{23}\text{Na}$ and $^{14}\text{N}(p,^4\text{He})^{15}\text{O}$. <i>Europhysics Letters</i> , 2018 , 122, 52001	1.6	8
160	PMF5.0 vs. CMB8.2: An inter-comparison study based on the new European SPECIEUROPE database. <i>Atmospheric Research</i> , 2018 , 201, 181-188	5.4	6

159	Production of particulate brown carbon during atmospheric aging of residential wood-burning emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17843-17861	6.8	46
158	ChAMBRé: a new atmospheric simulation chamber for aerosol modelling and bio-aerosol research. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 5885-5900	4	6
157	Production of particulate brown carbon during atmospheric aging of wood-burning emissions 2018 ,		3
156	Direct Capture Cross Section and the $E_p=71$ and 105 keV Resonances in the $^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ Reaction. <i>Physical Review Letters</i> , 2018 , 121, 172701	7.4	20
155	Origin of meteoritic stardust unveiled by a revised proton-capture rate of ^{17}O . <i>Nature Astronomy</i> , 2017 , 1,	12.1	46
154	Big Bang ^6Li nucleosynthesis studied deep underground (LUNA collaboration). <i>Astroparticle Physics</i> , 2017 , 89, 57-65	2.4	23
153	The impact of the revised $^{17}\text{O}(p,\gamma)^{18}\text{F}$ reaction rate on ^{17}O stellar abundances and yields. <i>Astronomy and Astrophysics</i> , 2017 , 598, A128	5.1	19
152	Results of an interlaboratory comparison of analytical methods for quantification of anhydrosugars and biosugars in atmospheric aerosol. <i>Chemosphere</i> , 2017 , 184, 269-277	8.4	6
151	^{22}Ne and ^{23}Na ejecta from intermediate-mass stars: the impact of the new LUNA rate for $^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 4817-4837	4.3	27
150	Percutaneous aortic leak closure in a small and frail annulus after double heart valve replacement. <i>Journal of Cardiovascular Medicine</i> , 2017 , 18, 916-919	1.9	
149	Cryoconite as a temporary sink for anthropogenic species stored in glaciers. <i>Scientific Reports</i> , 2017 , 7, 9623	4.9	33
148	Spectral- and size-resolved mass absorption efficiency of mineral dust aerosols in the shortwave spectrum: a simulation chamber study. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7175-7191	6.8	36
147	Comparison of different Aethalometer correction schemes and a reference multi-wavelength absorption technique for ambient aerosol data. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2837-2850	4	35
146	Direct measurement of low-energy $^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ resonances. <i>Physical Review C</i> , 2016 , 94,	2.7	26
145	Size distribution and optical properties of African mineral dust after intercontinental transport. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7117-7138	4.4	25
144	Brown carbon and thermal-optical analysis: A correction based on optical multi-wavelength apportionment of atmospheric aerosols. <i>Atmospheric Environment</i> , 2016 , 125, 119-125	5.3	18
143	Ultra-sensitive γ -ray spectroscopy set-up for investigating primordial lithium problem. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 824, 617-619	1.2	
142	Characterization of aerosols above the Northern Adriatic Sea: Case studies of offshore and onshore wind conditions. <i>Atmospheric Environment</i> , 2016 , 132, 153-162	5.3	10

141	PM10 source apportionment applying PMF and chemical tracer analysis to ship-borne measurements in the Western Mediterranean. <i>Atmospheric Environment</i> , 2016 , 125, 140-151	5.3	47
140	Helium burning and neutron sources in the stars. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	8
139	Improved Direct Measurement of the 64.5 keV Resonance Strength in the $^{17}\text{O}(p, \gamma)^{14}\text{N}$ Reaction at LUNA. <i>Physical Review Letters</i> , 2016 , 117, 142502	7.4	40
138	Use of an atmospheric simulation chamber for bioaerosol investigation: a feasibility study. <i>Aerobiologia</i> , 2015 , 31, 445-455	2.4	6
137	Multi-wavelength optical determination of black and brown carbon in atmospheric aerosols. <i>Atmospheric Environment</i> , 2015 , 108, 1-12	5.3	72
136	Improvements in PIXE analysis of hourly particulate matter samples. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 363, 99-104	1.2	35
135	Resonance strengths in the $^{17,18}\text{O}(p, \gamma)^{14,15}\text{N}$ reactions and background suppression underground. <i>European Physical Journal A</i> , 2015 , 51, 1	2.5	29
134	PM2.5 chemical composition in five European Mediterranean cities: A 1-year study. <i>Atmospheric Research</i> , 2015 , 155, 102-117	5.4	95
133	Three New Low-Energy Resonances in the $^{22}\text{Ne}(p, \gamma)^{23}\text{Na}$ Reaction. <i>Physical Review Letters</i> , 2015 , 115, 252501	7.4	42
132	A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. <i>Atmospheric Environment</i> , 2015 , 123, 240-250	5.3	54
131	An integrated PM2.5 source apportionment study: Positive Matrix Factorisation vs. the chemical transport model CAMx. <i>Atmospheric Environment</i> , 2014 , 94, 274-286	5.3	101
130	Spatial and seasonal variability of carbonaceous aerosol across Italy. <i>Atmospheric Environment</i> , 2014 , 99, 587-598	5.3	112
129	First direct measurement of the $2\text{H}(p, \gamma)^6\text{Li}$ cross section at big bang energies and the primordial lithium problem. <i>Physical Review Letters</i> , 2014 , 113, 042501	7.4	76
128	Source apportionment of PM10 in the Western Mediterranean based on observations from a cruise ship. <i>Atmospheric Environment</i> , 2014 , 98, 510-518	5.3	28
127	Cross-section measurements at astrophysically relevant energies: The LUNA experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 742, 258-260	1.2	1
126	Underground study of the $\text{O}^{17}(p, \gamma)\text{F}^{18}$ reaction relevant for explosive hydrogen burning. <i>Physical Review C</i> , 2014 , 89,	2.7	38
125	A new study of the $^{22}\text{Ne}(p, \gamma)^{23}\text{Na}$ reaction deep underground: Feasibility, setup and first observation of the 186 keV resonance. <i>European Physical Journal A</i> , 2014 , 50, 1	2.5	35
124	Five-year clinical outcome and patency rate of device-dependent venous grafts after clampless OPCAB with PAS-port automated proximal anastomosis: the PAPA Study. <i>Journal of Cardiac Surgery</i> , 2014 , 29, 325-32	1.3	11

123	IMPACT OF A REVISED $^{25}\text{Mg}(p, ^{26}\text{Al})$ REACTION RATE ON THE OPERATION OF THE Mg-Al CYCLE. <i>Astrophysical Journal</i> , 2013 , 763, 100	4.7	42
122	Size-resolved comprehensive characterization of airborne particulate matter. <i>Atmospheric Environment</i> , 2013 , 67, 14-26	5.3	43
121	A multi-wavelength optical set-up for the characterization of carbonaceous particulate matter. <i>Journal of Aerosol Science</i> , 2013 , 60, 34-46	4.3	31
120	Neutron-induced background by an α -beam incident on a deuterium gas target and its implications for the study of the $^2\text{H}(\alpha, n)^4\text{He}$ reaction at LUNA. <i>European Physical Journal A</i> , 2013 , 49, 1	2.5	25
119	Mini-extracorporeal circulation minimizes coagulation abnormalities and ameliorates pulmonary outcome in coronary artery bypass grafting surgery. <i>Perfusion (United Kingdom)</i> , 2013 , 28, 298-305	1.9	11
118	The $^{25}\text{Mg}(p, ^{26}\text{Al})$ reaction at low astrophysical energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 60-65	4.2	51
117	Impact of a European directive on ship emissions on air quality in Mediterranean harbours. <i>Atmospheric Environment</i> , 2012 , 61, 661-669	5.3	69
116	Saharan dust impact in central Italy: An overview on three years elemental data records. <i>Atmospheric Environment</i> , 2012 , 60, 444-452	5.3	65
115	Preparation and characterisation of isotopically enriched Ta ₂ O ₅ targets for nuclear astrophysics studies. <i>European Physical Journal A</i> , 2012 , 48, 1	2.5	33
114	First direct measurement of the $^{17}\text{O}(p, ^{18}\text{F})$ reaction cross section at Gamow energies for classical novae. <i>Physical Review Letters</i> , 2012 , 109, 202501	7.4	41
113	Solar fusion cross sections. II. The pp chain and CNO cycles. <i>Reviews of Modern Physics</i> , 2011 , 83, 195-245	40.5	461
112	Revision of the $^{15}\text{N}(p, ^{16}\text{O})$ reaction rate and oxygen abundance in H-burning zones. <i>Astronomy and Astrophysics</i> , 2011 , 533, A66	5.1	26
111	Carbonate measurements in PM ₁₀ near the marble quarries of Carrara (Italy) by infrared spectroscopy (FT-IR) and source apportionment by positive matrix factorization (PMF). <i>Atmospheric Environment</i> , 2011 , 45, 6481-6487	5.3	24
110	ED-XRF set-up for size-segregated aerosol samples analysis. <i>X-Ray Spectrometry</i> , 2011 , 40, 79-87	0.9	15
109	The $^{14}\text{N}(p, ^{15}\text{O})$ reaction studied with a composite germanium detector. <i>Physical Review C</i> , 2011 , 83,	2.7	33
108	Constraining the S factor of $^{15}\text{N}(p, ^{16}\text{O})$ at astrophysical energies. <i>Physical Review C</i> , 2010 , 82,	2.7	30
107	New experimental study of low-energy (p, n) resonances in magnesium isotopes. <i>Physical Review C</i> , 2010 , 82,	2.7	39
106	Self-attenuation artifacts and correction factors of light element measurements by X-ray analysis: Implication for mineral dust composition studies. <i>Journal of Geophysical Research</i> , 2010 , 115,		35

105	An actively vetoed Clover (gamma) -detector for nuclear astrophysics at LUNA. <i>European Physical Journal A</i> , 2010 , 44, 513-519	2.5	26
104	An alternative way to determine the size distribution of airborne particulate matter. <i>Atmospheric Environment</i> , 2010 , 44, 3304-3313	5.3	17
103	Direct measurement of the $^{15}\text{N}(p, \gamma)^{16}\text{O}$ total cross section at novae energies. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009 , 36, 045202	2.9	37
102	4-hours resolution data to study PM10 in a "hot spot" area in Europe. <i>Environmental Monitoring and Assessment</i> , 2009 , 154, 283-300	3.1	40
101	Ultra-sensitive in-beam (gamma) -ray spectroscopy for nuclear astrophysics at LUNA. <i>European Physical Journal A</i> , 2009 , 39, 179-186	2.5	50
100	Coarse particulate matter apportionment around a steel smelter plant. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 514-9	2.4	4
99	A mass closure and PMF source apportionment study on the sub-micron sized aerosol fraction at urban sites in Italy. <i>Atmospheric Environment</i> , 2008 , 42, 2240-2253	5.3	79
98	Characterization of particulate matter sources in an urban environment. <i>Science of the Total Environment</i> , 2008 , 401, 81-9	10.2	183
97	Ground state capture in $^{14}\text{N}(p, \gamma)^{15}\text{O}$ studied above the 259 keV resonance at LUNA. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 014019	2.9	2
96	Measurement of $^{25}\text{Mg}(p, \gamma)^{26}\text{Al}$ resonance strengths via gamma spectrometry. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 014013	2.9	7
95	Comparison of the LUNA $^3\text{He}(\alpha, n)^7\text{Be}$ activation results with earlier measurements and model calculations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 014002	2.9	2
94	Nuclear Astrophysics At LUNA: Status And Perspectives. <i>AIP Conference Proceedings</i> , 2008 ,	0	3
93	Precision study of ground state capture in the $^{14}\text{N}(p, \gamma)^{15}\text{O}$ reaction. <i>Physical Review C</i> , 2008 , 78,	2.7	67
92	PIXE and XRF analysis of particulate matter samples: an inter-laboratory comparison. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 2401-2404	1.2	32
91	The $^3\text{He}(\alpha, n)^7\text{Be}$ S-factor at solar energies: The prompt γ experiment at LUNA. <i>Nuclear Physics A</i> , 2008 , 814, 144-158	1.3	58
90	PIXE analysis of V-VI century glasses from the archaeological site of San Martino di Ovaro (Italy). <i>Journal of Cultural Heritage</i> , 2007 , 8, 307-314	2.9	29
89	A new methodological approach: The combined use of two-stage streaker samplers and optical particle counters for the characterization of airborne particulate matter. <i>Atmospheric Environment</i> , 2007 , 41, 5525-5535	5.3	26
88	Aerosol advection and sea salt events in Genoa, Italy, during the second half of 2005. <i>Science of the Total Environment</i> , 2007 , 377, 396-406	10.2	7

87	Astrophysical S factor of the $\text{He}^3(\text{H})\text{Be}^7$ reaction measured at low energy via detection of prompt and delayed γ rays. <i>Physical Review C</i> , 2007 , 75,	2.7	99
86	$\text{He}^3(\text{H})\text{Be}^7$ cross section at low energies. <i>Physical Review C</i> , 2007 , 75,	2.7	75
85	Publisher's Note: Astrophysical S factor of the $\text{He}^3(\text{H})\text{Be}^7$ reaction measured at low energy via detection of prompt and delayed γ rays [Phys. Rev. C 75, 065803 (2007)]. <i>Physical Review C</i> , 2007 , 75,	2.7	5
84	Low energy measurement of the $^{14}\text{N}(\text{p}, \text{n})^{15}\text{O}$ total cross section at the LUNA underground facility. <i>Nuclear Physics A</i> , 2006 , 779, 297-317	1.3	52
83	Activation measurement of the $^3\text{He}(\alpha, \gamma)^7\text{Be}$ cross section at low energy. <i>Physical Review Letters</i> , 2006 , 97, 122502	7.4	117
82	Characterization of atmospheric aerosols at Monte Cimone, Italy, during summer 2004: Source apportionment and transport mechanisms. <i>Journal of Geophysical Research</i> , 2006 , 111,		95
81	Elemental characterization of PM ₁₀ , PM _{2.5} and PM ₁ in the town of Genoa (Italy). <i>Chemosphere</i> , 2006 , 62, 226-32	8.4	78
80	Underground measurement of $^{14}\text{N}(\text{p}, \text{n})^{15}\text{O}$ astrophysical factor at low energy. <i>Journal of Physics: Conference Series</i> , 2006 , 39, 263-265	0.3	
79	Study of beam heating effect in a gas target through Rutherford scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 569, 727-731	1.2	20
78	Elemental composition and source apportionment of particulate matter near a steel plant in Genoa (Italy). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006 , 249, 548-551	1.2	25
77	First measurement of the $^{14}\text{N}(\text{p}, \text{n})^{15}\text{O}$ cross section down to 70 keV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 634, 483-487	4.2	95
76	CNO hydrogen burning studied deep underground. <i>European Physical Journal A</i> , 2006 , 27, 161-170	2.5	1
75	Towards a high-precision measurement of the $^3\text{He}(\text{H})^7\text{Be}$ cross section at LUNA. <i>European Physical Journal A</i> , 2006 , 27, 177-180	2.5	3
74	CNO hydrogen burning studied deep underground 2006 , 161-170		
73	Towards a high-precision measurement of the $^3\text{He}(\text{H})^7\text{Be}$ cross section at LUNA 2006 , 177-180		
72	Recent results of the $^{14}\text{N}(\text{p}, \text{n})^{15}\text{O}$ measurement at LUNA. <i>Nuclear Physics A</i> , 2005 , 758, 383-386	1.3	6
71	Feasibility of low-energy radiative-capture experiments at the LUNA underground accelerator facility. <i>European Physical Journal A</i> , 2005 , 24, 313-319	2.5	55
70	S-factor of $^{14}\text{N}(\text{p}, \text{n})^{15}\text{O}$ at astrophysical energies?. <i>European Physical Journal A</i> , 2005 , 25, 455-466	2.5	177

69	Characterization of airborne particulate matter in an industrial district near Florence by PIXE and PESA. <i>X-Ray Spectrometry</i> , 2005 , 34, 323-329	0.9	45
68	Recent results from the LUNA facility at Gran Sasso. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005 , 31, S1537-S1540	2.9	3
67	PIXE ANALYSIS OF ITALIAN XVI CENTURY INK DRAWINGS FROM LUCA CAMBIASO AND HIS SCHOOL. <i>International Journal of PIXE</i> , 2005 , 15, 337-343	0.1	2
66	The bottleneck of CNO burning and the age of Globular Clusters. <i>Astronomy and Astrophysics</i> , 2004 , 420, 625-629	5.1	109
65	Characterisation of early medieval frescoes by EPIX, SEM and Raman spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 219-220, 20-25	1.2	19
64	Atmospheric aerosol characterisation by Ion Beam Analysis techniques: recent improvements at the Van de Graaff laboratory in Florence. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 219-220, 166-170	1.2	12
63	PIXE and ToF-SIMS analysis of streaker samplers filters. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 222, 261-269	1.2	11
62	Enhanced electron screening in d(d,p)t for deuterated metals. <i>European Physical Journal A</i> , 2004 , 19, 283-287	2.5	82
61	Environmental radon monitoring: comparing drawbacks and performances of charcoal canisters, alpha-track and E-PERM detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 518, 452-455	1.2	8
60	Astrophysical S-factor of $^{14}\text{N}(p, \gamma)^{15}\text{O}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 591, 61-68	4.2	259
59	Modelling temperature distributions and radon emission at Stromboli Volcano using a non-extensive statistical approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 340, 402-409	3.3	9
58	Non-destructive characterization of Della Robbia sculptures at the Bargello museum in Florence by the combined use of PIXE and XRF portable systems. <i>Journal of Cultural Heritage</i> , 2004 , 5, 183-188	2.9	42
57	One-year study of the elemental composition and source apportionment of PM ₁₀ aerosols in Florence, Italy. <i>Journal of the Air and Waste Management Association</i> , 2004 , 54, 1372-82	2.4	21
56	The LUNA II accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 507, 609-616	1.2	129
55	Hourly elemental composition and sources identification of fine and coarse PM ₁₀ particulate matter in four Italian towns. <i>Journal of Aerosol Science</i> , 2003 , 34, 243-259	4.3	80
54	PIXE and EPIX analysis of glazes from terracotta sculptures of the della Robbia workshop. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 189, 358-363	1.2	27
53	Aerosol characterisation in Italian towns by IBA techniques. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 190, 471-476	1.2	12
52	Static secondary ion mass spectrometry as a new analytical tool for measuring atmospheric particles on insulating substrates. <i>Atmospheric Environment</i> , 2002 , 36, 899-909	5.3	10

51	Enhanced electron screening in $d(d, p)t$ for deuterated Ta*. <i>European Physical Journal A</i> , 2002 , 13, 377-382	3.2	89
50	Study of the pigments in medieval polychrome architectural elements of Veneto-Byzantine style. <i>Journal of Cultural Heritage</i> , 2002 , 3, 289-297	2.9	20
49	A new setup for the underground study of capture reactions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 489, 160-169	1.2	52
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